

SEQUENCE LISTING



<110> Crofts, Linda Anne
Hancock, Manuela S.
Morrison, Nigel A.
Eisman, John A.

<120> Isoforms of the Human Vitamin D Receptor

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<140> 09/509,482.

<141> 2000-09-15

<150> PCT/AU98/00817

<151> 1998-09-29

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Ser Gly Met Glu Ala Met Ala Ala Ser Thr Ser Leu Pro Asp Pro Gly
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Asp Phe Asp Arg Asn Val Pro Arg Ile Cys Gly Val Cys Gly Asp Arg
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Ala Thr Gly Phe His Phe Asn Ala Met Thr Cys Glu Gly Cys Lys Gly
85 90 95
Phe Phe Arg Arg Ser Met Lys Arg Lys Ala Leu Phe Thr Cys Pro Phe
100 105 110
Asn Gly Asp Cys Arg Ile Thr Lys Asp Asn Arg Arg His Cys Gln Ala
115 120 125
Cys Arg Leu Lys Arg Cys Val Asp Ile Gly Met Met Lys Glu Phe Ile
130 135 140
Leu Thr Asp Glu Glu Val Gln Arg Lys Arg Glu Met Ile Leu Lys Arg
145 150 155 160
Lys Glu Glu Glu Ala Leu Lys Asp Ser Leu Arg Pro Lys Leu Ser Glu
165 170 175
Glu Gln Gln Arg Ile Ile Ala Ile Leu Leu Asp Ala His His Lys Thr
180 185 190
Tyr Asp Pro Thr Tyr Ser Asp Phe Cys Gln Phe Arg Pro Pro Val Arg
195 200 205
Val Asn Asp Gly Gly Gly Ser His Pro Ser Arg Pro Asn Ser Arg His
210 215 220
Thr Pro Ser Phe Ser Gly Asp Ser Ser Ser Ser Cys Ser Asp His Cys
225 230 235 240
Ile Thr Ser Ser Asp Met Met Asp Ser Ser Ser Phe Ser Asn Leu Asp
245 250 255
Leu Ser Glu Glu Asp Ser Asp Asp Pro Ser Val Thr Leu Glu Leu Ser
260 265 270
Gln Leu Ser Met Leu Pro His Leu Ala Asp Leu Val Ser Tyr Ser Ile
275 280 285
Gln Lys Val Ile Gly Phe Ala Lys Met Ile Pro Gly Phe Arg Asp Leu
290 295 300

Thr	Ser	Glu	Asp	Gln	Ile	Val	Leu	Leu	Lys	Ser	Ser	Ala	Ile	Glu	Val
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Ile	Met	Leu	Arg	Ser	Asn	Glu	Ser	Phe	Thr	Met	Asp	Asp	Met	Ser	Trp
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Thr	Cys	Gly	Asn	Gln	Asp	Tyr	Lys	Tyr	Arg	Val	Ser	Asp	Val	Thr	Lys
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Ala	Gly	His	Ser	Leu	Glu	Leu	Ile	Glu	Pro	Leu	Ile	Lys	Phe	Gln	Val
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Gly	Leu	Lys	Lys	Leu	Asn	Leu	His	Glu	Glu	Glu	His	Val	Leu	Leu	Met
	370					375					380				
Ala	Ile	Cys	Ile	Val	Ser	Pro	Asp	Arg	Pro	Gly	Val	Gln	Asp	Ala	Ala
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Leu	Ile	Glu	Ala	Ile	Gln	Asp	Arg	Leu	Ser	Asn	Thr	Leu	Gln	Thr	Tyr
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Ile	Arg	Cys	Arg	His	Pro	Pro	Pro	Gly	Ser	His	Leu	Leu	Tyr	Ala	Lys
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Met	Ile	Gln	Lys	Leu	Ala	Asp	Leu	Arg	Ser	Leu	Asn	Glu	Glu	His	Ser
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Lys	Gln	Tyr	Arg	Cys	Leu	Ser	Phe	Gln	Pro	Glu	Cys	Ser	Met	Lys	Leu
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Arg	His	Cys	Gln	Ala	Cys	Arg	Leu	Lys	Arg	Cys	Val	Asp	Ile	Gly	Met
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Ala	His	His	Lys	Thr	Tyr	Asp	Pro	Thr	Tyr	Ser	Asp	Phe	Cys	Gln	Phe
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Arg	Pro	Pro	Val	Arg	Val	Asn	Asp	Gly	Gly	Gly	Ser	His	Pro	Ser	Arg
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Pro	Asn	Ser	Arg	His	Thr	Pro	Ser	Phe	Ser	Gly	Asp	Ser	Ser	Ser	Ser
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 Gly Phe Arg Asp Leu Thr Ser Glu Asp Gln Ile Val Leu Leu Lys Ser
 275 280 285
 Ser Ala Ile Glu Val Ile Met Leu Arg Ser Asn Glu Ser Phe Thr Met
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 Asp Asp Met Ser Trp Thr Cys Gly Asn Gln Asp Tyr Lys Tyr Arg Val
 305 310 315 320
 Ser Asp Val Thr Lys Ala Gly His Ser Leu Glu Leu Ile Glu Pro Leu
 325 330 335
 Ile Lys Phe Gln Val Gly Leu Lys Lys Leu Asn Leu His Glu Glu Glu
 340 345 350
 His Val Leu Leu Met Ala Ile Cys Ile Val Ser Pro Asp Arg Pro Gly
 355 360 365
 Val Gln Asp Ala Ala Leu Ile Glu Ala Ile Gln Asp Arg Leu Ser Asn
 370 375 380
 Thr Leu Gln Thr Tyr Ile Arg Cys Arg His Pro Pro Pro Gly Ser His
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 Leu Leu Tyr Ala Lys Met Ile Gln Lys Leu Ala Asp Leu Arg Ser Leu
 405 410 415
 Asn Glu Glu His Ser Lys Gln Tyr Arg Cys Leu Ser Phe Gln Pro Glu
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 Ile Ser
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 Glu Gly Cys Lys Gly Phe Phe Arg
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 <213> Homo sapiens

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 20 25 30
 Gly Phe His Phe Asn Ala Met Thr Cys Glu Gly Cys Lys Gly Phe Phe
 35 40 45

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Asp	Glu	Glu	Val	Gln	Arg	Lys	Arg	Glu	Met	Ile	Leu	Lys	Arg	Lys
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Glu	Glu	Ala	Leu	Lys	Asp	Ser	Leu	Arg	Pro	Lys	Leu	Ser	Glu	Gln
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Pro	Thr	Tyr	Ser	Asp	Phe	Cys	Gln	Phe	Arg	Pro	Pro	Val	Arg	Val
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Asp	Gly	Gly	Gly	Ser	His	Pro	Ser	Arg	Pro	Asn	Ser	Arg	His	Thr
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Ser	Phe	Ser	Gly	Asp	Ser	Ser	Ser	Ser	Cys	Ser	Asp	His	Cys	Ile
			180					185				190		Thr
Ser	Ser	Asp	Met	Met	Asp	Ser	Ser	Ser	Phe	Ser	Asn	Leu	Asp	Leu
		195					200					205		Ser
Glu	Glu	Asp	Ser	Asp	Asp	Pro	Ser	Val	Thr	Leu	Glu	Leu	Ser	Gln
		210				215					220			Leu
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Gly	Asn	Gln	Asp	Tyr	Lys	Tyr	Arg	Val	Ser	Asp	Val	Thr	Lys	Ala
		290				295					300			Gly
His	Ser	Leu	Glu	Leu	Ile	Glu	Pro	Leu	Ile	Lys	Phe	Gln	Val	Gly
305					310					315				Leu
Lys	Lys	Leu	Asn	Leu	His	Glu	Glu	Glu	His	Val	Leu	Leu	Met	Ala
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Cys	Ile	Val	Ser	Pro	Asp	Arg	Pro	Gly	Val	Gln	Asp	Ala	Ala	Leu
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		355					360					365		Arg
Cys	Arg	His	Pro	Pro	Pro	Gly	Ser	His	Leu	Leu	Tyr	Ala	Lys	Met
		370				375					380			Ile
Gln	Lys	Leu	Ala	Asp	Leu	Arg	Ser	Leu	Asn	Glu	Glu	His	Ser	Lys
385					390					395				Gln
Tyr	Arg	Cys	Leu	Ser	Phe	Gln	Pro	Glu	Cys	Ser	Met	Lys	Leu	Thr
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 <213> Homo sapiens

<400> 15
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 Ser Gly Met Glu Ala Met Ala Ala Ser Thr Ser Leu Pro Asp Pro Gly
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 Asp Phe Asp Arg Asn Val Pro Arg Ile Asp Asx Asp
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 <213> Homo sapiens

<400> 16
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 Asp

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 <211> 1463
 <212> DNA
 <213> Homo sapiens

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<211> 1382

<212> DNA

<213> Homo sapiens

<400> 18

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<211> 1534

<212> DNA

<213> Homo sapiens

<400> 19

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<212> DNA

<213> Homo sapiens

<400> 20

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<210> 21

<211> 22

<212> PRT

<213> Homo sapiens

<400> 21

Met	Glu	Trp	Arg	Asn	Lys	Lys	Arg	Ser	Asp	Trp	Leu	Ser	Met	Val	Leu
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Arg	Thr	Ala	Gly	Val	Glu										
				20											